KBIC & KBMM Series of DC Drives Convert to SMT

KBIC & KBMM Series of DC drives are now available with (SMT) Surface Mount Technology manufacturing. SMT manufacturing allows a drive to have more circuitry in the same amount of space, or to make the drive smaller. Rather than change the industry's standard footprint, we decided to add more features. SMT manufacturing uses a pick and place machine that visually verifies every part before it is placed on the PC board, virtually eliminating the possibility of inserting an incorrect part.

The KBMM Series of DC drive utilizes jumpers for selecting line voltage, armature voltage and tach feedback settings. It is no longer necessary to cut resistors. Standard features now found on the KBMM Series of DC drives are: a green Power-on LED, a red Motor Over-load CL LED, an Enable circuit that allows (Make to Run, Break to Coast). The Enable circuit now allows the motor to coast to a stop, rather than Decel to the MIN speed setting. These additional features were added without a price increase.

The KBIC Series of DC drives were also converted to SMT. We decided to leave the industry standard KBIC circuit unchanged, except for the addition of a green Power-on LED. Dual voltage and step-down models of the KBIC do not require voltage selection jumpers. Each drive still has the same features as previous models. A chart follows for your review.

The SMT version of the KBMM Series of DC drives are also used in the KBMD Multi-Drive and KBWM Vari-Drive.

Sincerely,

Richard Fritts
National Sales Manager

KBIC & KBMM SMT DC Drives Standard Features

Features	KBIC	KBMM
Line Fuse Holder	Available	Standard
Arm Fuse Holder	Available	Standard
CL LED	No	Yes
Pwr On LED	Yes	Yes
Tach Feedback	No	Yes
Line Voltage Jumper	Not Req.	Yes
Arm Voltage Jumper	Not Req.	Yes
B & T Terminals	No	Yes
Accel Trimpot	Yes	Yes
Decel Trimpot	No	Yes
Min Trimpot	Yes	Yes
Max Trimpot	Yes	Yes
IR Trimpot	Yes	Yes
CL Trimpot	Yes	Yes
Voltage Following	0-7 VDC	0-9 VDC
SCR's & Diodes	15A or 25A	25A
Main Pot	Yes	Yes
Enable Circuit	N/A	Yes
Inhibit Circuit	Yes	Yes
Aux. Heatsink	Available	Available
Signal Isolator	SI-5	SI-6
Barrier Terminal Bd.	Available	Available
Packaging	Individual	Individual
Instruction Manual	Yes	Yes
PHR	Yes	Yes